A 整度 - Train a Table 1 A



## Claims

- 1. A process for preparing spherical oxide particles comprising the steps of shaping a starting material comprising an oxide hydrate into particles of substantially constant length by leading the material to a set of two rolls rotating towards each other followed by leading the material to a roll equipped with grooves to form rod-type shapes, cutting the rod-type shapes into particles of substantially constant length, converting the thus formed particles into spheres, and heating the particles to convert the oxide hydrate into an oxide.
- 2. The process of claim 1, wherein a lubricating oil is added before and/or after cutting.

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3. Spherical oxide particles having a wear rate of less than 0.5 wt.%, more preferably less than 0.1 wt.% and substantially no difference in density between the core portion of the particles and the surface portion of the particles.

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- 4. The spherical oxide particles of claim 3 wherein the wear rate is less than 0.1 wt.%.
- 5. A process for preparing a hydroprocessing catalyst in which a Group VI
  and/or a Group VIII metal component are incorporated into spherical oxide
  particles prepared by way of a process comprising the steps of shaping a
  starting material comprising an oxide hydrate into particles of substantially
  constant length by leading the material to a set of two rolls rotating towards

each other followed by leading the material to a roll equipped with grooves to form rod-type shapes, cutting the rod-type shapes into particles of substantially constant length, converting the thus formed particles into spheres, and heating the particles to convert the oxide hydrate into an oxide.

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- 6. The process of claim 5, wherein the metal components are a Group VI metal component and optionally a Group VIII metal component.
- 7. A process for the hydroprocessing of a hydrocarbon feed in which the feed is contacted with a catalyst prepared by the process of claim 5.